

METHOD FOR LUBRICATING HIGH PRESSURE  
HYDRAULIC SYSTEM USING PHOSPHATE ESTER HYDRAULIC FLUID

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Abstract of the Disclosure

The present invention is a method for operating a hydraulic system  
10 at pressures of about 4000 psi or higher, preferably about 5000 psi or higher by  
using as the lubricant a phosphate ester hydraulic oil comprising a fire resistant  
phosphate esters base stock, a viscosity index improver, an anti erosion agent, an  
acid scavenger. The fluid used in the present method can also contain rust  
inhibitors and/or antioxidants.